

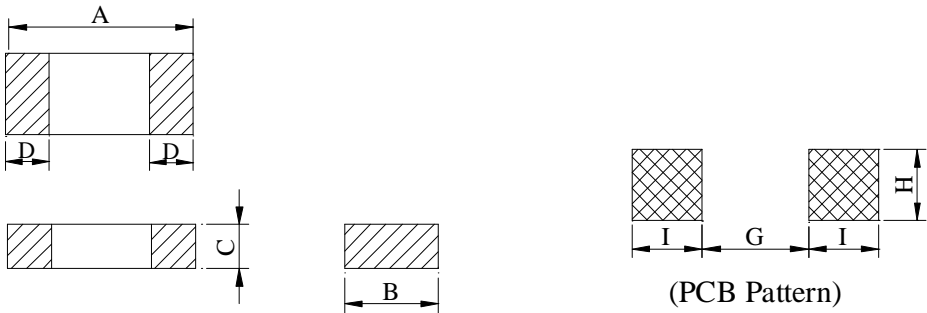
SPECIFICATION FOR APPROVAL

REF :

PAGE: 1

| | | | |
|---------------|--------------------------|----------------|------------------|
| PROD. NAME | MULTILAYER CHIP INDUCTOR | ABC'S DWG NO. | MS1608□□□□L□-□□□ |
| | | ABC'S ITEM NO. | |

I . CONFIGURATION & DIMENSIONS :



Unit : m/m

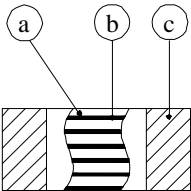
| Series | A | B | C | D | G | H | I |
|--------|-----------|-----------|-----------|-----------|-----|-----|-----|
| MS1608 | 1.60±0.20 | 0.80±0.20 | 0.80±0.20 | 0.30±0.20 | 0.7 | 0.7 | 0.7 |

II . SCHEMATIC DIAGRAM :



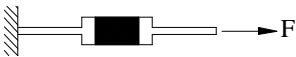
III . MATERIALS :

- a . Body : Ferrite
- b . Internal conductor : Silver or Ag / Pd
- c . Terminal : Cu/Sn
- d . Remark : Products comply with RoHS' requirements



IV . GENERAL SPECIFICATION :

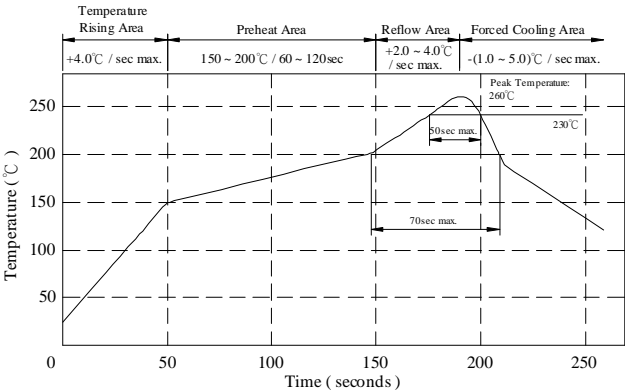
- a . Storage temp. : -40℃ ---- +105℃
- b . Operating temp. : -25℃ ---- +85℃
- c . Terminal strength :



| Type | F (kgf) | time (sec) |
|--------|-----------|--------------|
| MS1608 | 0.5 | 30±5 |

- d . Solderability : Preheat : 150±25℃ for 60 seconds
Solder : Sn96.5 / Ag3 / Cu0.5 or equivalent
Solder temp. : 260±5℃
Flux : Rosin
Dip time : 4±1 seconds

Peak Temp : 260℃ max.
Max time above 230℃ : 50sec max.
Max time above 200℃ : 70sec max.



SPECIFICATION FOR APPROVAL

REF :

PAGE: 2

| | | | |
|---------------|--------------------------|----------------|------------------|
| PROD. NAME | MULTILAYER CHIP INDUCTOR | ABC'S DWG NO. | MS1608□□□□L□-□□□ |
| | | ABC'S ITEM NO. | |

V . ELECTRICAL CHARACTERISTICS :

| DWG No. | Inductance (μ H) | Q min | Test Freq. (MHz) | SRF (MHz) min | RDC (Ω) max | IDC (mA) max |
|------------------|---------------------------|----------|---------------------|-----------------------|----------------------------|----------------------|
| MS160847NML□-□□□ | 0.047±20% | 10 | 50 | 260 | 0.30 | 50 |
| MS160868NML□-□□□ | 0.068±20% | 10 | 50 | 250 | 0.30 | 50 |
| MS160882NML□-□□□ | 0.082±20% | 10 | 50 | 245 | 0.30 | 50 |
| MS1608R10ML□-□□□ | 0.100±20% | 15 | 25 | 240 | 0.50 | 50 |
| MS1608R12ML□-□□□ | 0.120±20% | 15 | 25 | 205 | 0.50 | 50 |
| MS1608R15ML□-□□□ | 0.150±20% | 15 | 25 | 180 | 0.60 | 50 |
| MS1608R18ML□-□□□ | 0.180±20% | 15 | 25 | 165 | 0.60 | 50 |
| MS1608R22ML□-□□□ | 0.220±20% | 15 | 25 | 150 | 0.80 | 50 |
| MS1608R27ML□-□□□ | 0.270±20% | 15 | 25 | 136 | 0.80 | 50 |
| MS1608R33ML□-□□□ | 0.330±20% | 15 | 25 | 125 | 0.85 | 35 |
| MS1608R39ML□-□□□ | 0.390±20% | 15 | 25 | 110 | 1.00 | 35 |
| MS1608R47ML□-□□□ | 0.470±20% | 15 | 25 | 105 | 1.35 | 35 |
| MS1608R56ML□-□□□ | 0.560±20% | 15 | 25 | 95 | 1.55 | 35 |
| MS1608R68ML□-□□□ | 0.680±20% | 15 | 25 | 90 | 1.70 | 35 |
| MS1608R82ML□-□□□ | 0.820±20% | 15 | 25 | 85 | 2.10 | 35 |
| MS16081R0ML□-□□□ | 1.000±20% | 35 | 10 | 75 | 0.60 | 25 |
| MS16081R2ML□-□□□ | 1.200±20% | 35 | 10 | 65 | 0.80 | 25 |
| MS16081R5ML□-□□□ | 1.500±20% | 35 | 10 | 60 | 0.80 | 25 |
| MS16081R8ML□-□□□ | 1.800±20% | 35 | 10 | 55 | 0.95 | 25 |
| MS16082R2ML□-□□□ | 2.200±20% | 35 | 10 | 50 | 1.15 | 15 |
| MS16082R7ML□-□□□ | 2.700±20% | 35 | 10 | 45 | 1.35 | 15 |
| MS16083R3ML□-□□□ | 3.300±20% | 35 | 10 | 40 | 1.55 | 15 |
| MS16083R9ML□-□□□ | 3.900±20% | 35 | 10 | 35 | 1.70 | 15 |
| MS16084R7ML□-□□□ | 4.700±20% | 35 | 10 | 33 | 2.10 | 15 |
| MS16085R6ML□-□□□ | 5.600±20% | 35 | 4 | 22 | 1.55 | 5 |
| MS16086R8ML□-□□□ | 6.800±20% | 35 | 4 | 20 | 1.70 | 5 |
| MS16088R2ML□-□□□ | 8.200±20% | 35 | 4 | 18 | 2.10 | 5 |
| MS1608100ML□-□□□ | 10.000±20% | 30 | 2 | 17 | 1.85 | 3 |

1). □ : Packaging Information... [A] : Bulk [B] : Taping Reel

2). "-□□□" : Reference code

SPECIFICATION FOR APPROVAL

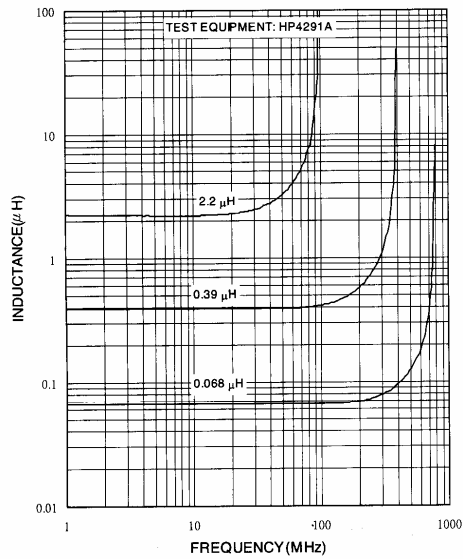
REF :

PAGE: 3

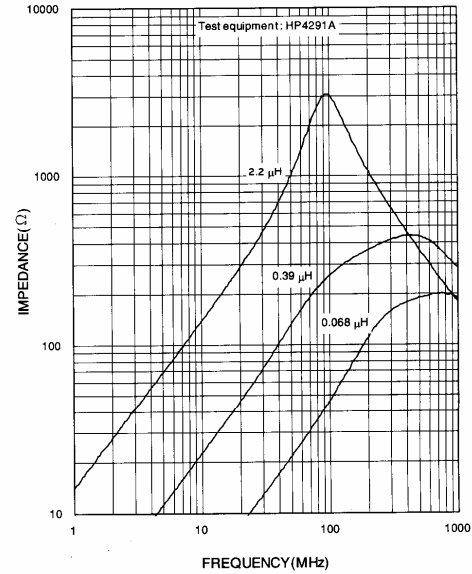
| | | | |
|---------------|--------------------------|----------------|------------------|
| PROD. NAME | MULTILAYER CHIP INDUCTOR | ABC'S DWG NO. | MS1608□□□□L□-□□□ |
| | | ABC'S ITEM NO. | |

VI . CURVE :

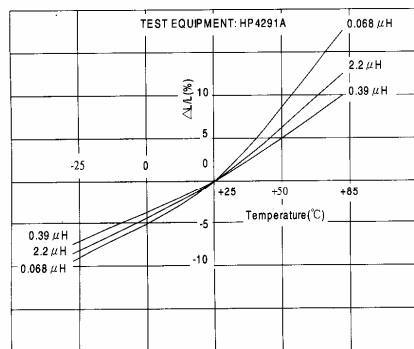
INDUCTANCE vs. FREQUENCY
CHARACTERISTICS



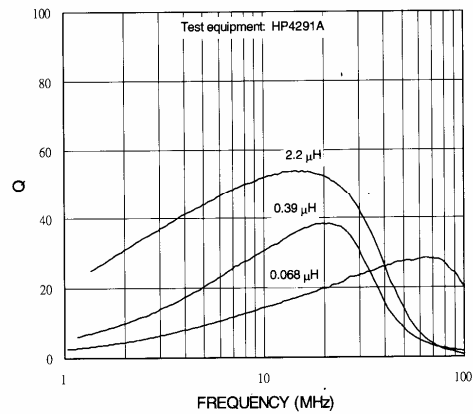
IMPEDANCE vs. FREQUENCY
CHARACTERISTICS



INDUCTANCE vs. TEMPERATURE
CHARACTERISTICS



Q vs. FREQUENCY CHARACTERISTICS



SPECIFICATION FOR APPROVAL

REF :

PAGE: 4

| | | | |
|---------------|--------------------------|----------------|------------------|
| PROD. NAME | MULTILAYER CHIP INDUCTOR | ABC'S DWG NO. | MS1608□□□□L□-□□□ |
| | | ABC'S ITEM NO. | |

VII . PACKAGING INFORMATION :

(1) Configuration

※Carrier tape width : D

Unit:m/m

(2) Dimensions

| Style | A | B | C | D | G | N | T |
|---------|-----|--------|----|---|------------------|------------------|------|
| 07 - 08 | 178 | 21±0.8 | 13 | 8 | 10 ⁺⁰ | 50 ⁻⁰ | 12.5 |

(3) Q'TY & G.W. Per package

| Series | Inner : Reel | | | Outer : Carton | | |
|--------|--------------|-----------|---------|----------------|-----------|--------------|
| | Q'TY (pcs) | G.W. (gw) | Style | Q'TY (pcs) | G.W. (Kg) | Size (cm) |
| MS1608 | 4,000 | 90 | 07 - 08 | 200,000 | 7.0 | 41 x 39 x 22 |

SPECIFICATION FOR APPROVAL

REF :

PAGE: 5

| | | | | | | | |
|---------------|--------------------------|----------------|------------------|--|--|--|--|
| PROD. NAME | MULTILAYER CHIP INDUCTOR | ABC'S DWG NO. | MS1608□□□□L□-□□□ | | | | |
| | | ABC'S ITEM NO. | | | | | |

(4) TYPE DIMENSIONS

Fig 1.

Unit:m/m

| Type | A | B | F | P | T | W | Fig |
|--------|------|------|------|-----|------|-----|-----|
| MS1608 | 1.05 | 1.85 | 3.50 | 4.0 | 1.10 | 8.0 | 1 |

This datasheet has been downloaded from:

www.EEworld.com.cn

Free Download

Daily Updated Database

100% Free Datasheet Search Site

100% Free IC Replacement Search Site

Convenient Electronic Dictionary

Fast Search System

www.EEworld.com.cn